

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042524\  
 Data File : BM045601.D  
 Acq On : 26 Apr 2024 23:22  
 Operator : MA/JU  
 Sample : PB160531BS  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS531

Quant Time: Apr 27 00:32:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM042024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 26 23:51:18 2024  
 Response via : Initial Calibration

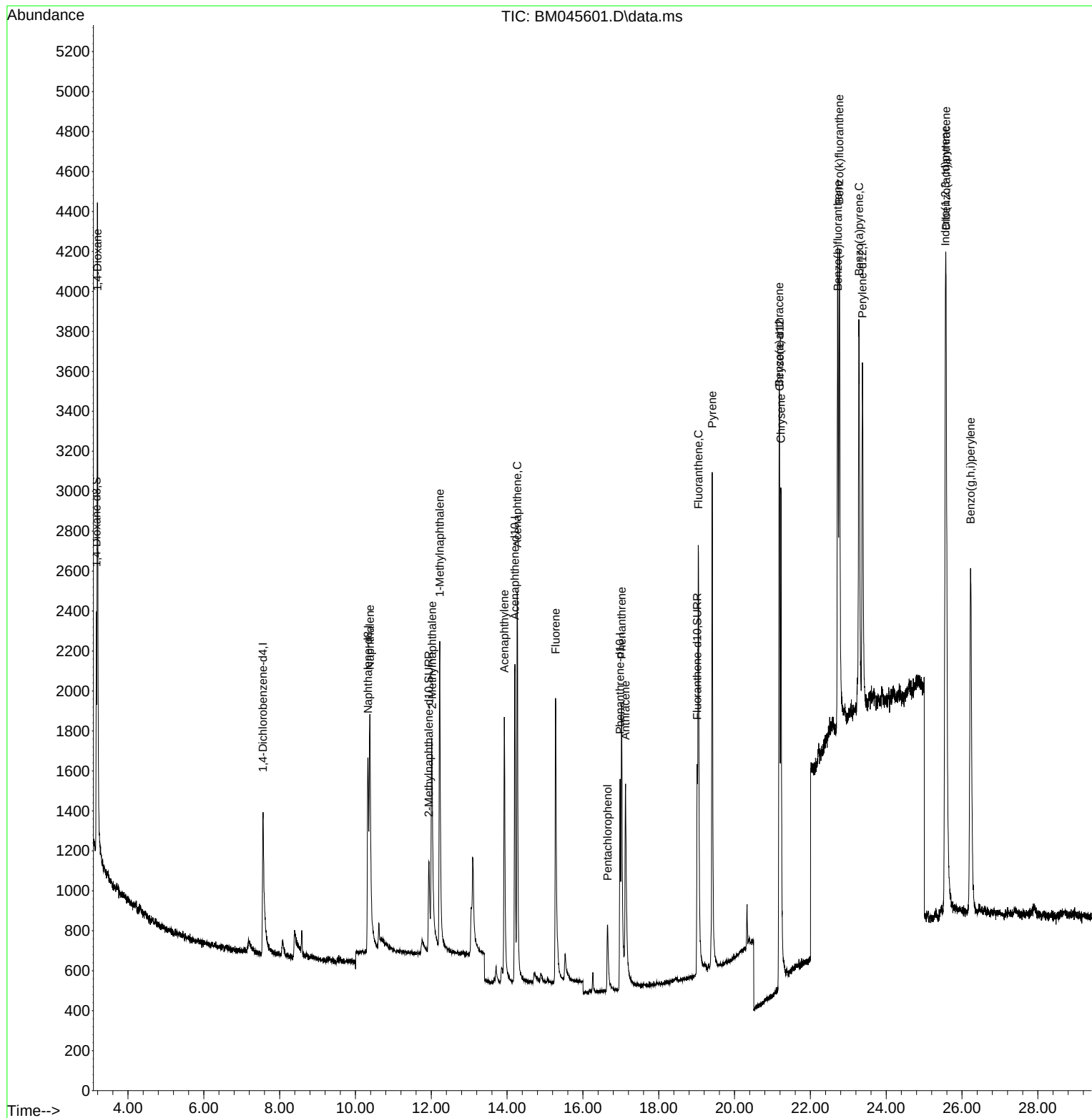
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.559  | 152  | 826      | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.331 | 136  | 2411     | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.205 | 164  | 1129     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 16.980 | 188  | 1930     | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.187 | 240  | 1713     | 0.400 | ng/ul   | 0.00     |
| 23) Perylene-d12            | 23.373 | 264  | 2615     | 0.400 | ng/ul   | -0.01    |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.167  | 96   | 822      | 0.742 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.936 | 152  | 1127     | 0.354 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.015 | 212  | 1684     | 0.312 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.192  | 88   | 2290     | 2.150 | ng/ul#  | 83       |
| 5) Naphthalene              | 10.380 | 128  | 2491     | 0.385 | ng/ul   | 100      |
| 7) 2-Methylnaphthalene      | 12.019 | 142  | 1410     | 0.381 | ng/ul   | 98       |
| 8) 1-Methylnaphthalene      | 12.222 | 142  | 1477     | 0.356 | ng/ul   | 96       |
| 10) Acenaphthylene          | 13.927 | 152  | 2253     | 0.405 | ng/ul   | 98       |
| 11) Acenaphthene            | 14.265 | 153  | 1512     | 0.366 | ng/ul   | 99       |
| 12) Fluorene                | 15.278 | 166  | 1499     | 0.339 | ng/ul   | 98       |
| 14) Pentachlorophenol       | 16.650 | 266  | 396      | 1.029 | ng/ul   | 94       |
| 15) Phenanthrene            | 17.022 | 178  | 2056     | 0.366 | ng/ul   | 96       |
| 16) Anthracene              | 17.123 | 178  | 2244     | 0.427 | ng/ul   | 97       |
| 19) Fluoranthene            | 19.048 | 202  | 2605     | 0.330 | ng/ul   | 98       |
| 20) Pyrene                  | 19.410 | 202  | 2756     | 0.339 | ng/ul   | 97       |
| 21) Benzo(a)anthracene      | 21.176 | 228  | 2512     | 0.459 | ng/ul   | 99       |
| 22) Chrysene                | 21.222 | 228  | 2986     | 0.355 | ng/ul   | 98       |
| 24) Benzo(b)fluoranthene    | 22.721 | 252  | 3332     | 0.379 | ng/ul   | 87       |
| 25) Benzo(k)fluoranthene    | 22.765 | 252  | 3873     | 0.348 | ng/ul#  | 84       |
| 26) Benzo(a)pyrene          | 23.286 | 252  | 3652     | 0.400 | ng/ul#  | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.561 | 276  | 5101     | 0.385 | ng/ul#  | 97       |
| 28) Dibenzo(a,h)anthracene  | 25.578 | 278  | 3985     | 0.379 | ng/ul#  | 95       |
| 29) Benzo(g,h,i)perylene    | 26.226 | 276  | 4266     | 0.358 | ng/ul   | 94       |

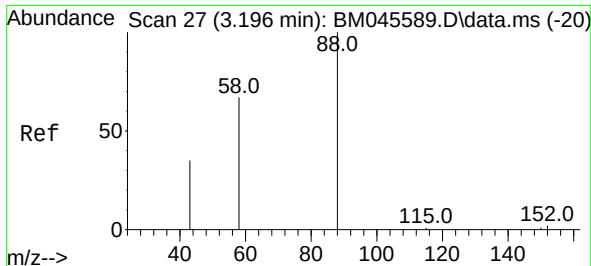
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042524\  
Data File : BM045601.D  
Acq On : 26 Apr 2024 23:22  
Operator : MA/JU  
Sample : PB160531BS  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS531

Quant Time: Apr 27 00:32:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM042024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 26 23:51:18 2024  
Response via : Initial Calibration

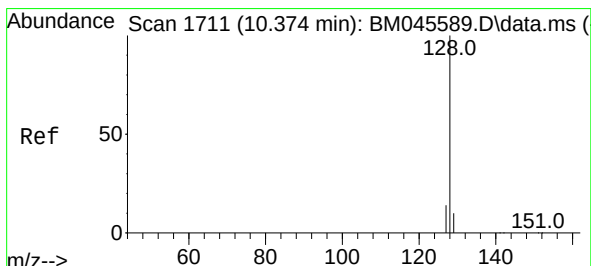
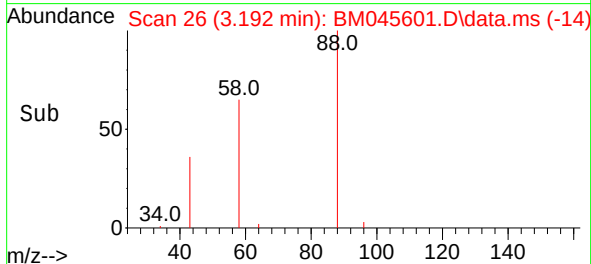
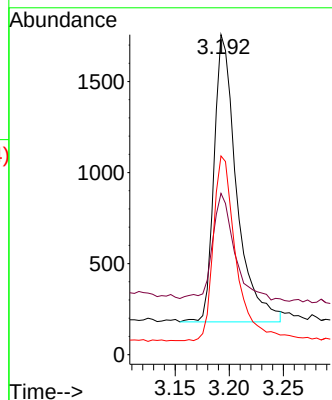
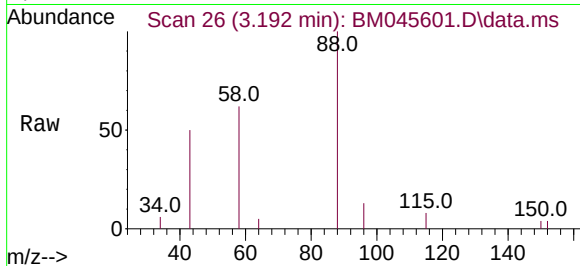




#2  
1,4-Dioxane  
Concen: 2.150 ng/ul  
RT: 3.192 min Scan# 20  
Delta R.T. -0.008 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

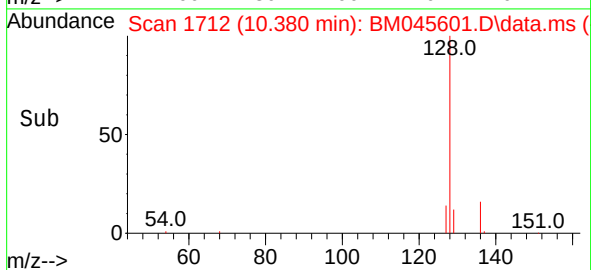
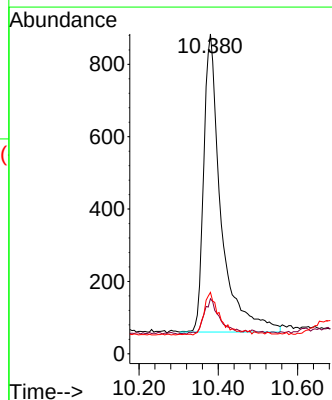
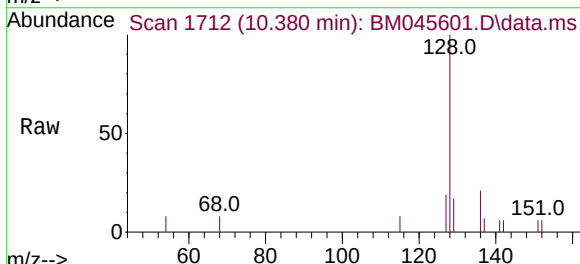
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS531

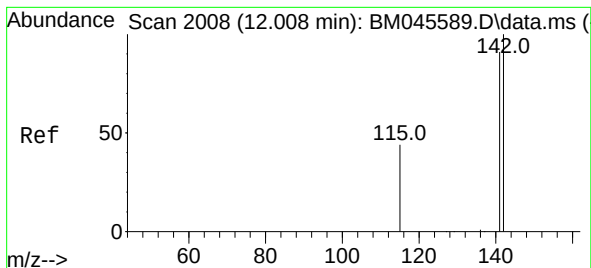
Tgt Ion: 88 Resp: 2290  
Ion Ratio Lower Upper  
88 100  
43 50.4 36.8 55.2  
58 62.1 35.4 53.2#



#5  
Naphthalene  
Concen: 0.385 ng/ul  
RT: 10.380 min Scan# 1712  
Delta R.T. 0.000 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Tgt Ion: 128 Resp: 2491  
Ion Ratio Lower Upper  
128 100  
129 17.2 14.0 21.0  
127 19.2 15.4 23.2

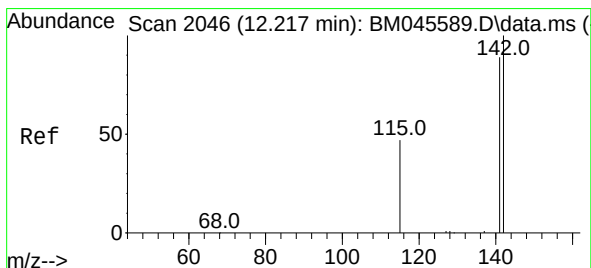
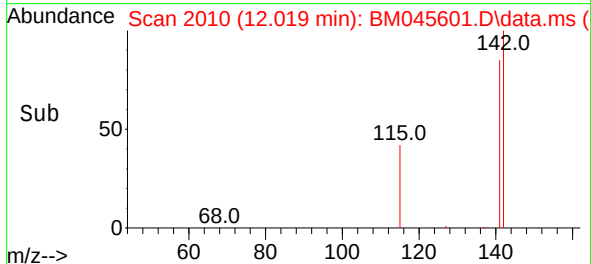
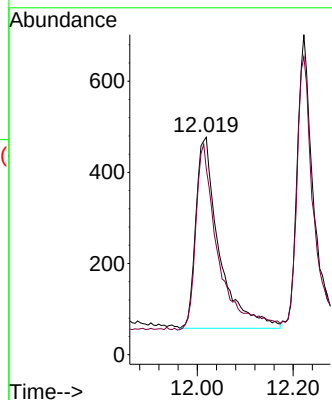
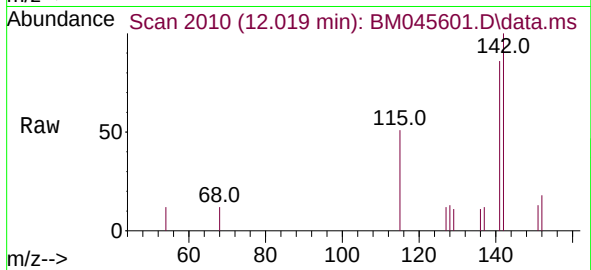




#7  
2-Methylnaphthalene  
Concen: 0.381 ng/ul  
RT: 12.019 min Scan# 2009  
Delta R.T. 0.011 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

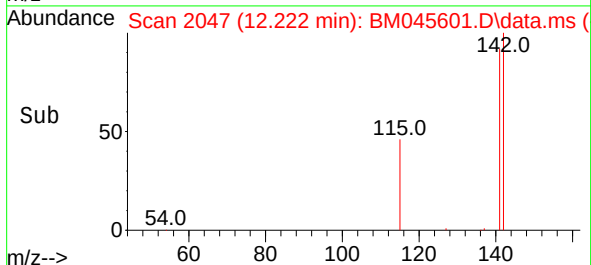
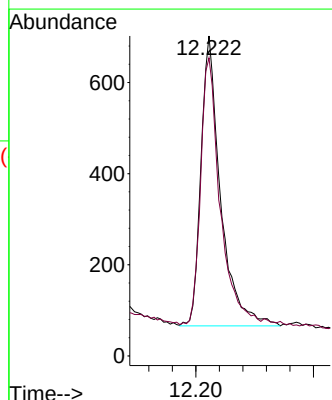
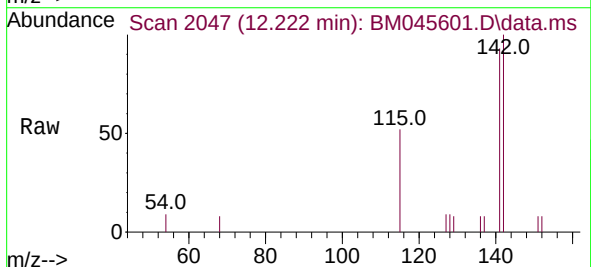
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BNA\_M  
ClientSampleId :  
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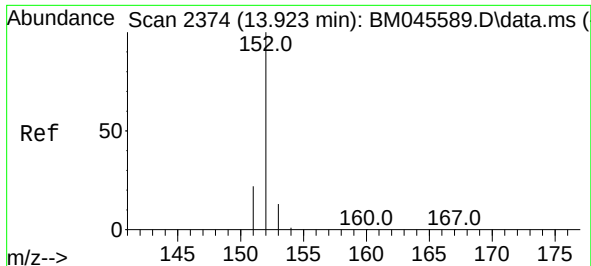
Tgt Ion:142 Resp: 1410  
Ion Ratio Lower Upper  
142 100  
141 95.5 74.6 111.8



#8  
1-Methylnaphthalene  
Concen: 0.356 ng/ul  
RT: 12.222 min Scan# 2047  
Delta R.T. 0.000 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Tgt Ion:142 Resp: 1477  
Ion Ratio Lower Upper  
142 100  
141 91.7 76.1 114.1

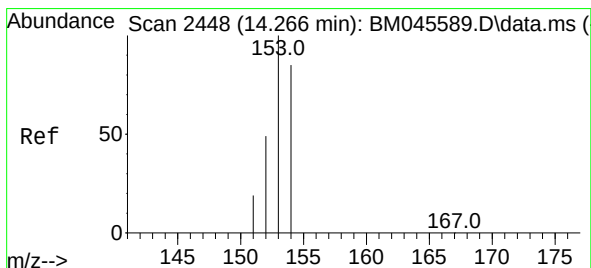
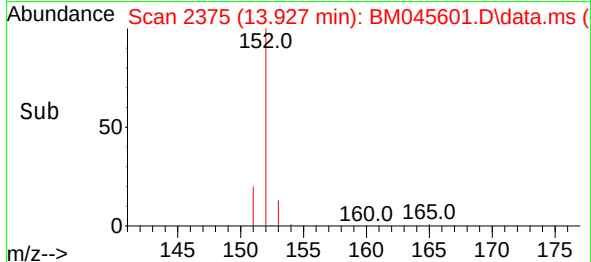
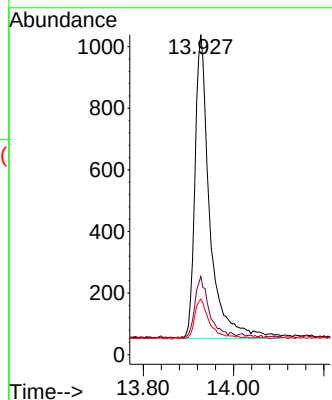
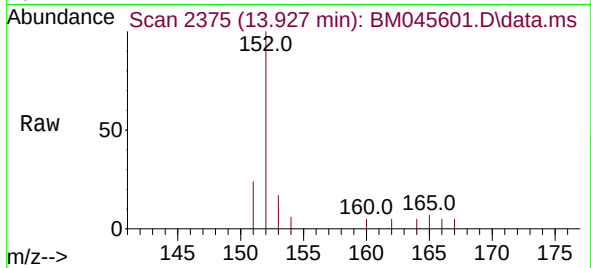




#10  
Acenaphthylene  
Concen: 0.405 ng/ul  
RT: 13.927 min Scan# 2410  
Delta R.T. 0.000 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

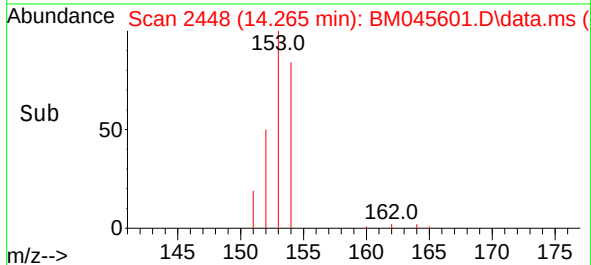
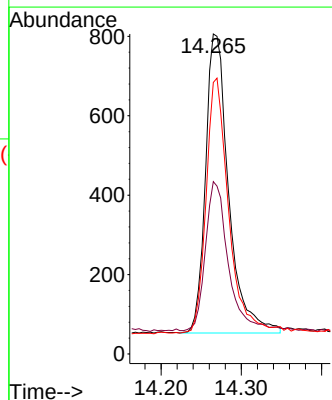
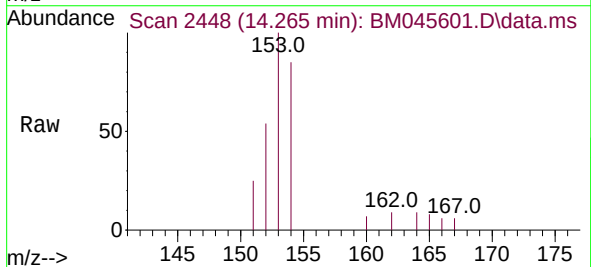
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ClientSampleId :  
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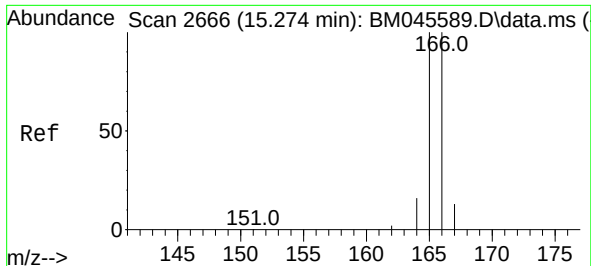
Tgt Ion:152 Resp: 2253  
Ion Ratio Lower Upper  
152 100  
151 24.4 18.6 28.0  
153 17.4 14.1 21.1



#11  
Acenaphthene  
Concen: 0.366 ng/ul  
RT: 14.265 min Scan# 2448  
Delta R.T. -0.005 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Tgt Ion:153 Resp: 1512  
Ion Ratio Lower Upper  
153 100  
152 53.8 43.4 65.2  
154 84.9 69.0 103.6

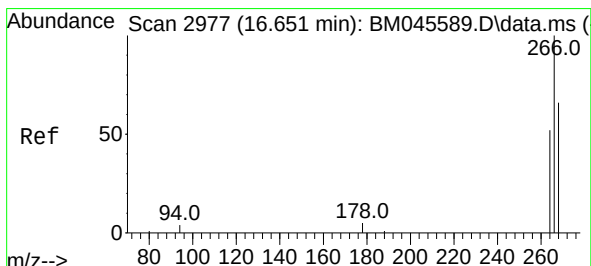
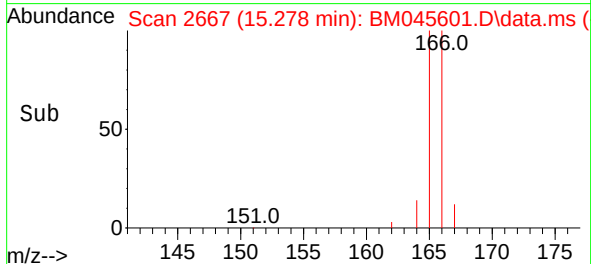
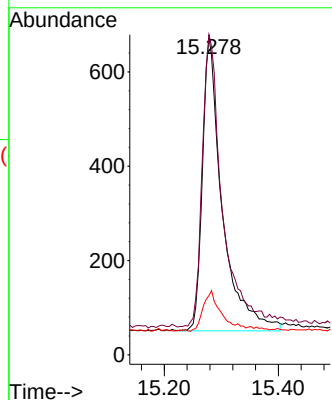
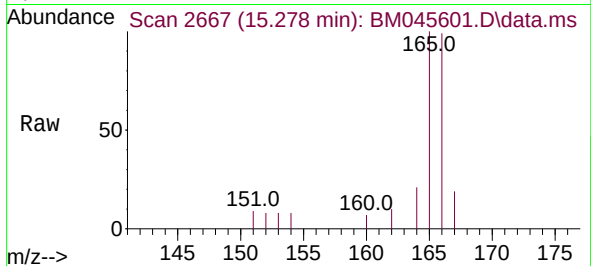




#12  
Fluorene  
Concen: 0.339 ng/ul  
RT: 15.278 min Scan# 2  
Delta R.T. 0.000 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

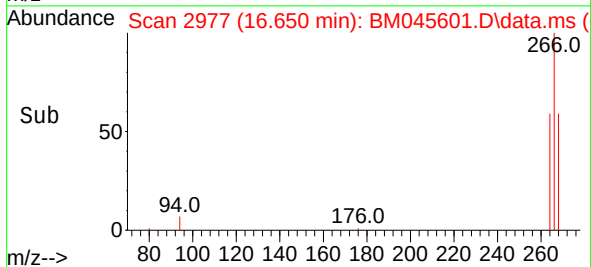
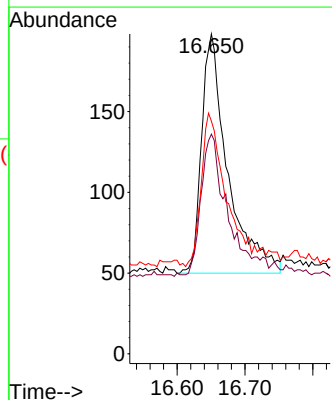
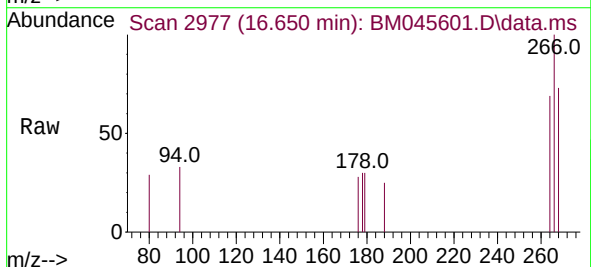
Instrument :  
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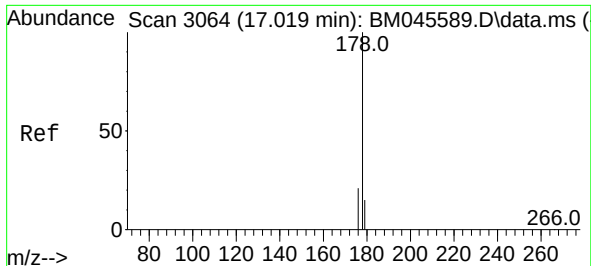
Tgt Ion:166 Resp: 1499  
Ion Ratio Lower Upper  
166 100  
165 100.9 82.2 123.2  
167 18.7 14.8 22.2



#14  
Pentachlorophenol  
Concen: 1.029 ng/ul  
RT: 16.650 min Scan# 2977  
Delta R.T. 0.000 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Tgt Ion:266 Resp: 396  
Ion Ratio Lower Upper  
266 100  
264 61.9 45.5 68.3  
268 66.2 56.1 84.1

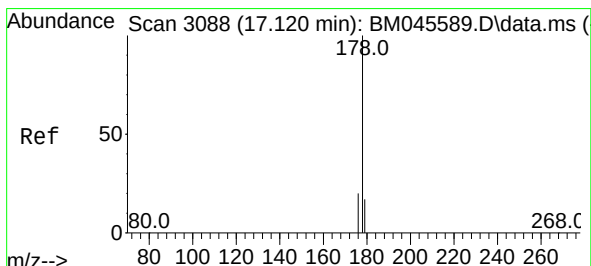
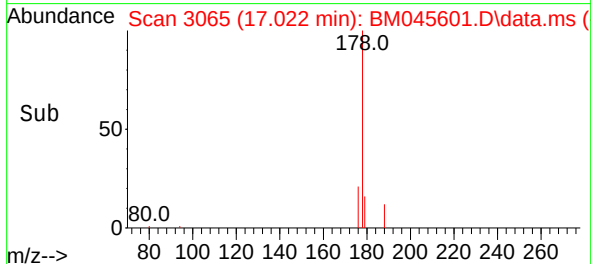
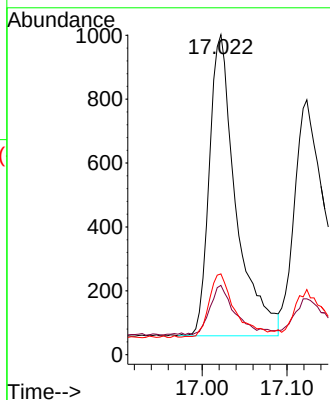
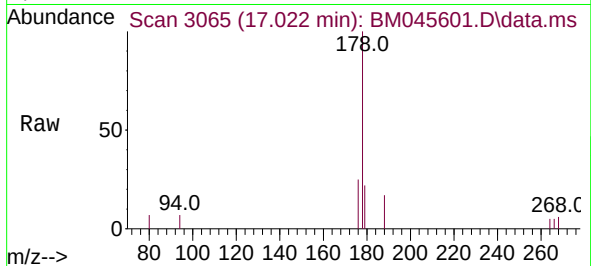




#15  
Phenanthrene  
Concen: 0.366 ng/ul  
RT: 17.022 min Scan# 3065  
Delta R.T. 0.000 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

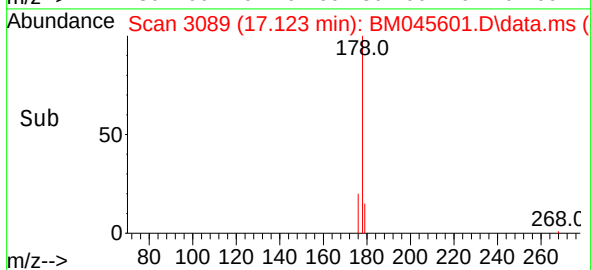
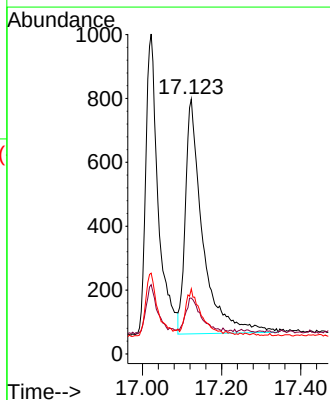
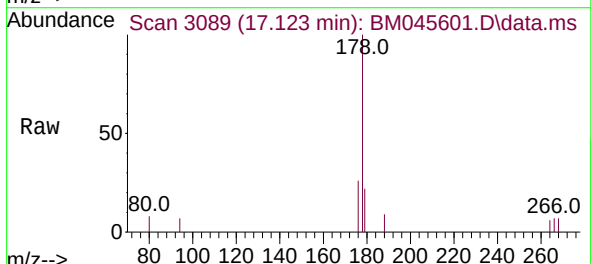
Instrument :  
BNA\_M  
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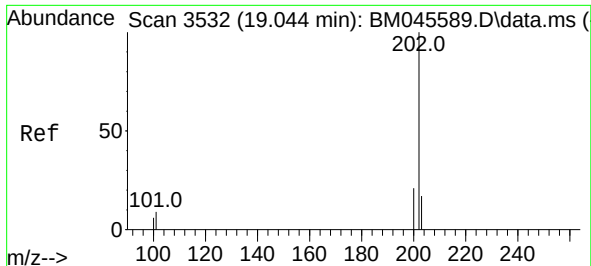
Tgt Ion:178 Resp: 2056  
Ion Ratio Lower Upper  
178 100  
179 21.7 15.4 23.2  
176 25.2 19.0 28.4



#16  
Anthracene  
Concen: 0.427 ng/ul  
RT: 17.123 min Scan# 3089  
Delta R.T. 0.004 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Tgt Ion:178 Resp: 2244  
Ion Ratio Lower Upper  
178 100  
179 21.9 17.8 26.6  
176 25.6 18.7 28.1





#19

Fluoranthene

Concen: 0.330 ng/ul

RT: 19.048 min Scan# 3532

Delta R.T. 0.000 min

Lab File: BM045601.D

Acq: 26 Apr 2024 23:22

Instrument :

BNA\_M

ClientSampleId :

SLCS531

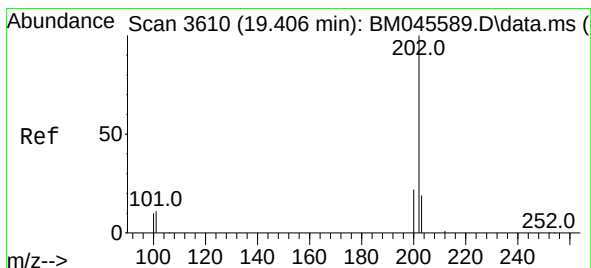
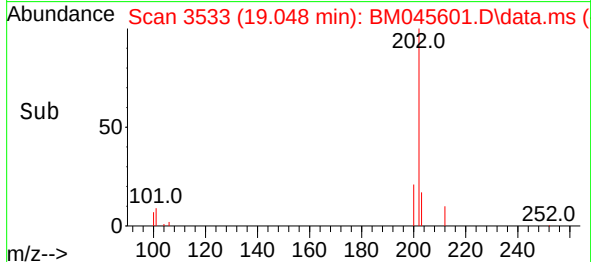
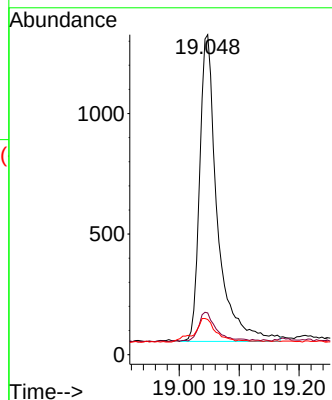
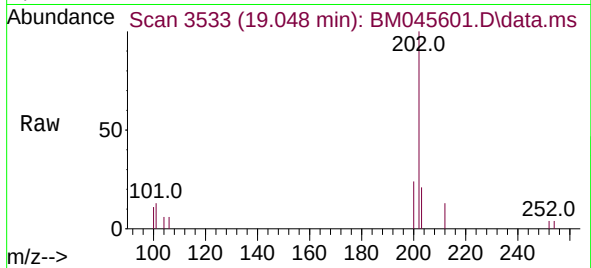
Tgt Ion:202 Resp: 2605

Ion Ratio Lower Upper

202 100

101 13.0 11.2 16.8

100 11.0 9.1 13.7



#20

Pyrene

Concen: 0.339 ng/ul

RT: 19.410 min Scan# 3611

Delta R.T. -0.005 min

Lab File: BM045601.D

Acq: 26 Apr 2024 23:22

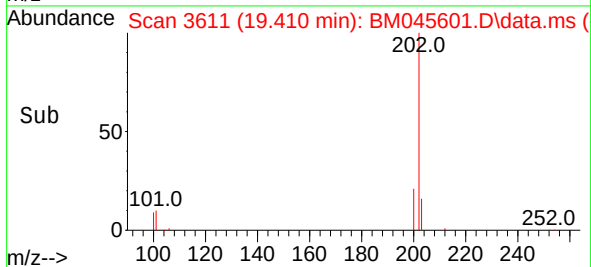
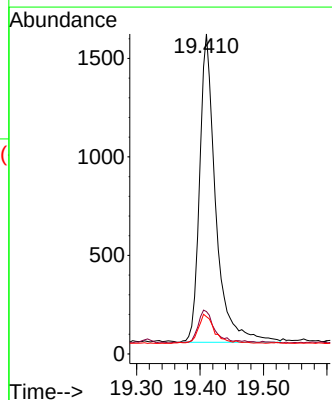
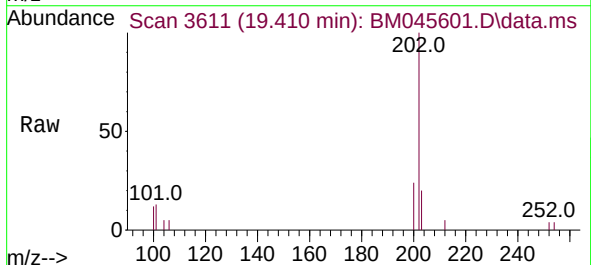
Tgt Ion:202 Resp: 2756

Ion Ratio Lower Upper

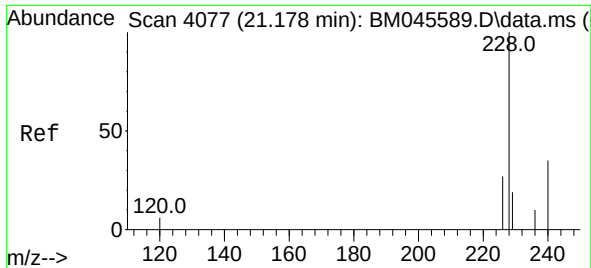
202 100

101 13.2 11.5 17.3

100 11.6 10.6 15.8

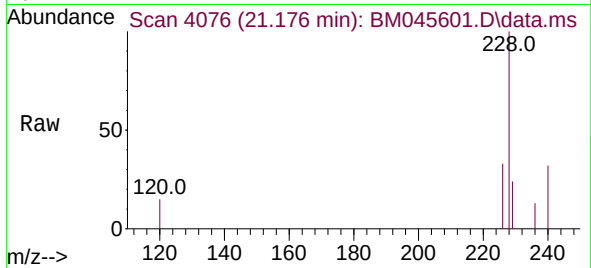




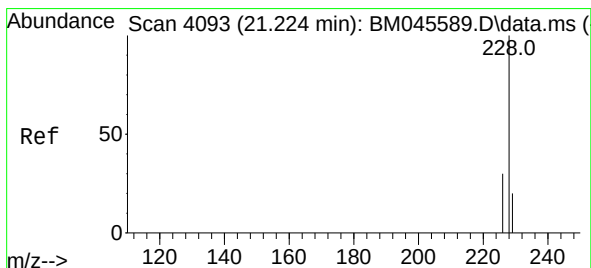
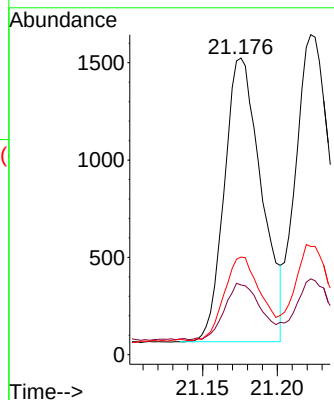


#21  
Benzo(a)anthracene  
Concen: 0.459 ng/ul  
RT: 21.176 min Scan# 4077  
Delta R.T. -0.006 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS531

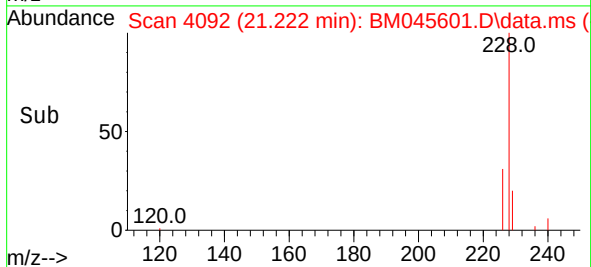
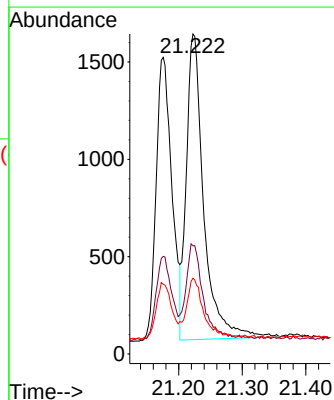
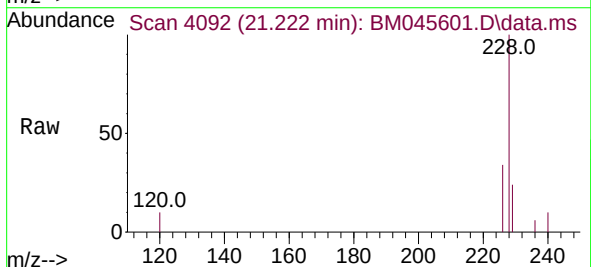


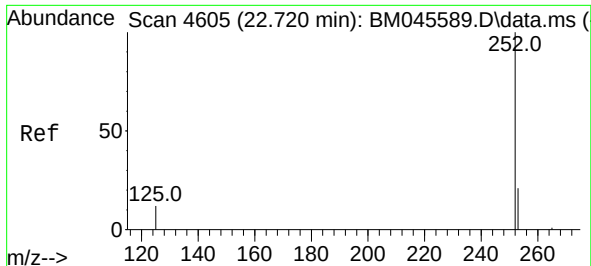
Tgt Ion:228 Resp: 2512  
Ion Ratio Lower Upper  
228 100  
229 23.6 19.4 29.2  
226 32.9 26.3 39.5



#22  
Chrysene  
Concen: 0.355 ng/ul  
RT: 21.222 min Scan# 4092  
Delta R.T. -0.006 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Tgt Ion:228 Resp: 2986  
Ion Ratio Lower Upper  
228 100  
226 33.8 26.3 39.5  
229 23.7 17.8 26.8

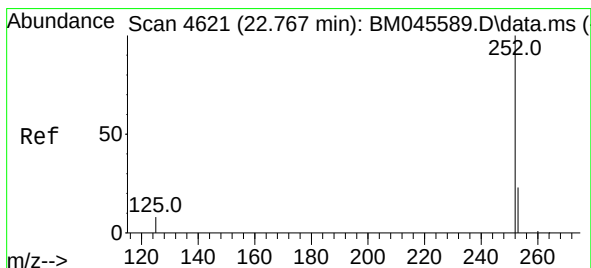
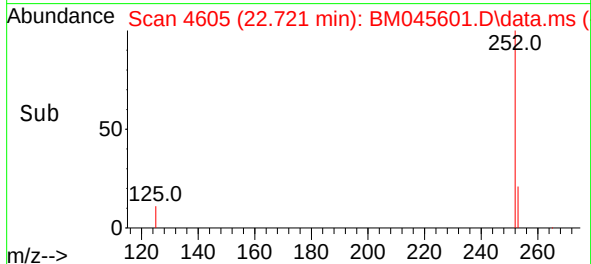
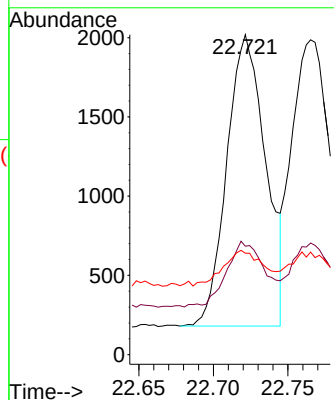
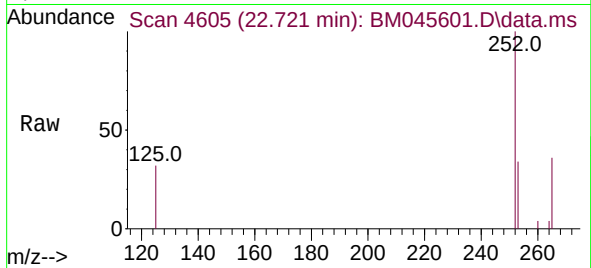




#24  
Benzo(b)fluoranthene  
Concen: 0.379 ng/ul  
RT: 22.721 min Scan# 4605  
Delta R.T. -0.009 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

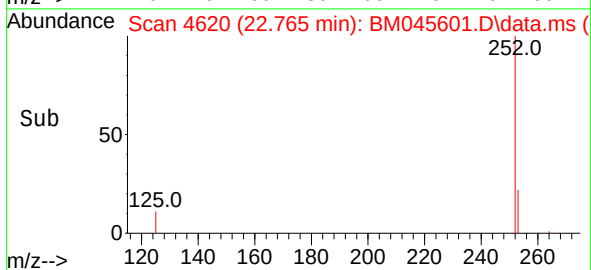
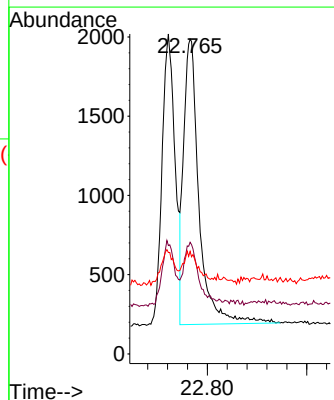
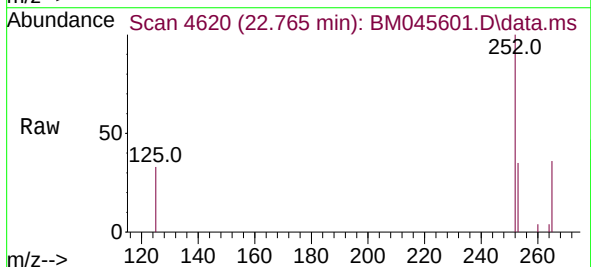
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS531

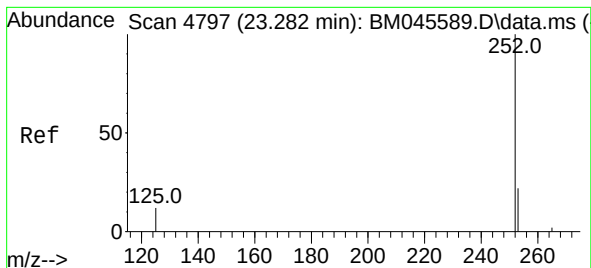
Tgt Ion:252 Resp: 3332  
Ion Ratio Lower Upper  
252 100  
253 33.9 0.0 63.4  
125 31.7 0.0 36.8



#25  
Benzo(k)fluoranthene  
Concen: 0.348 ng/ul  
RT: 22.765 min Scan# 4620  
Delta R.T. -0.006 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Tgt Ion:252 Resp: 3873  
Ion Ratio Lower Upper  
252 100  
253 35.4 25.4 38.0  
125 32.6 14.8 22.2#





#26

Benzo(a)pyrene

Concen: 0.400 ng/ul

RT: 23.286 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM045601.D

Acq: 26 Apr 2024 23:22

Instrument :

BNA\_M

ClientSampleId :

SLCS531

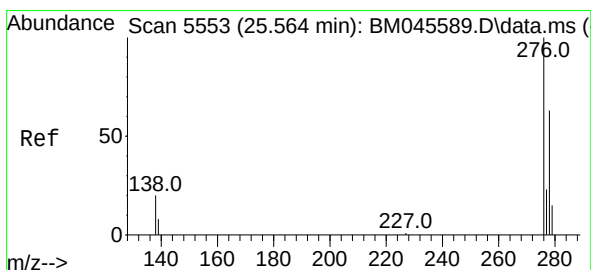
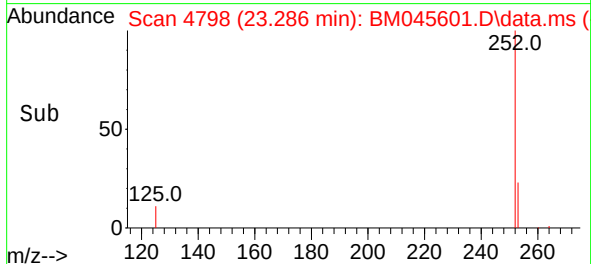
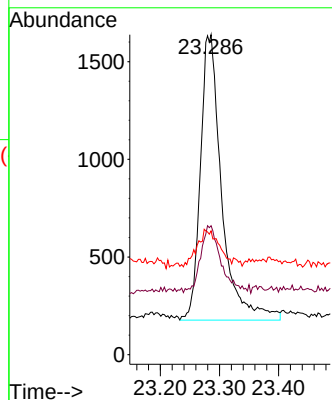
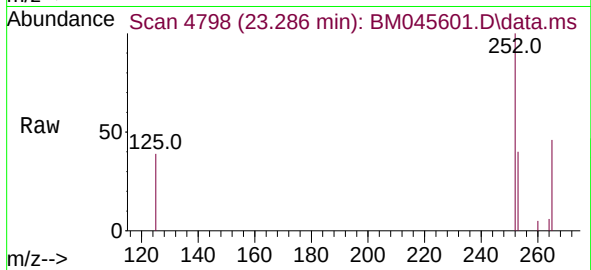
Tgt Ion:252 Resp: 3652

Ion Ratio Lower Upper

252 100

253 40.3 31.6 47.4

125 38.7 19.5 29.3#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.385 ng/ul

RT: 25.561 min Scan# 5552

Delta R.T. -0.010 min

Lab File: BM045601.D

Acq: 26 Apr 2024 23:22

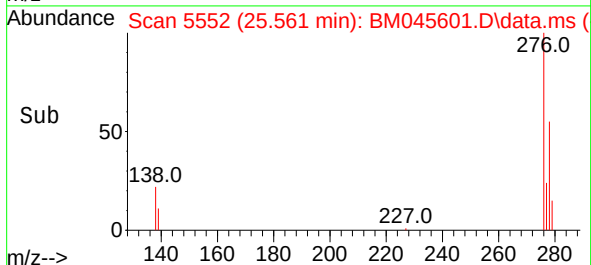
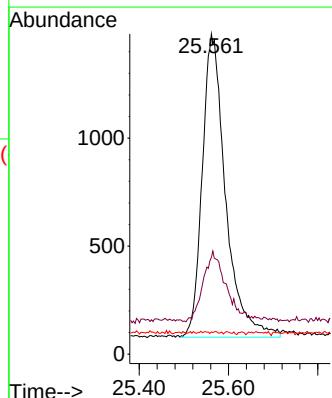
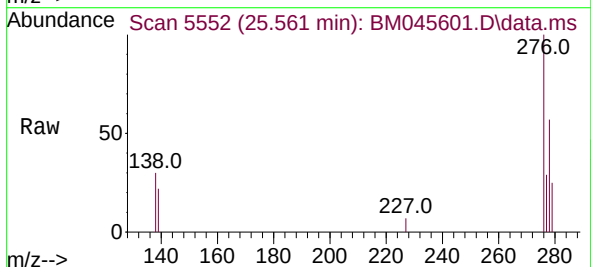
Tgt Ion:276 Resp: 5101

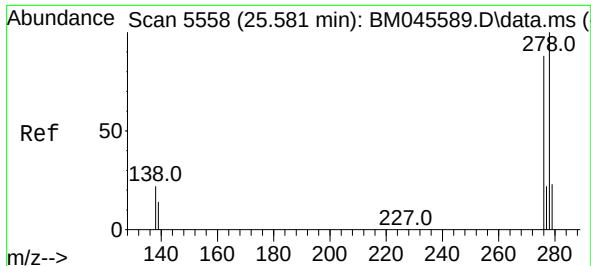
Ion Ratio Lower Upper

276 100

138 23.3 19.8 29.6

227 0.3 0.2 0.2#

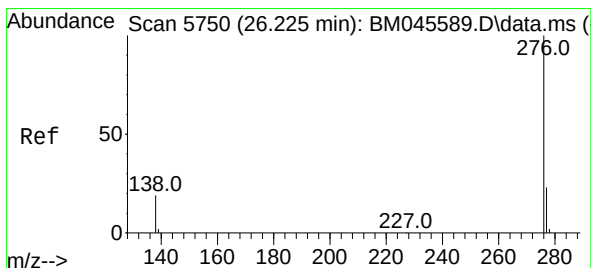
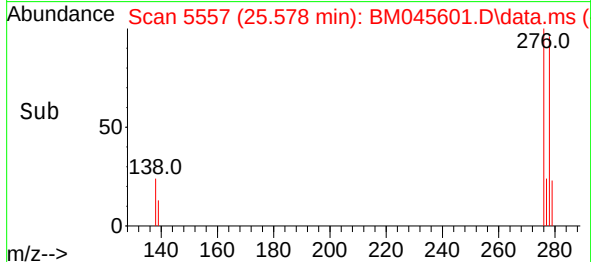
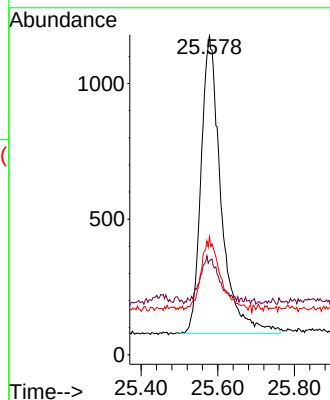
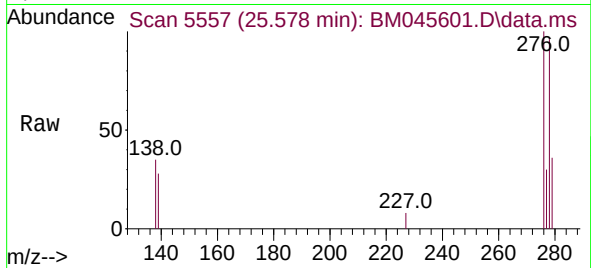




#28  
Dibenzo(a,h)anthracene  
Concen: 0.379 ng/ul  
RT: 25.578 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS531

Tgt Ion:278 Resp: 3985  
Ion Ratio Lower Upper  
278 100  
139 29.4 19.0 28.6#  
279 36.9 29.4 44.2



#29  
Benzo(g,h,i)perylene  
Concen: 0.358 ng/ul  
RT: 26.226 min Scan# 5750  
Delta R.T. -0.010 min  
Lab File: BM045601.D  
Acq: 26 Apr 2024 23:22

Tgt Ion:276 Resp: 4266  
Ion Ratio Lower Upper  
276 100  
138 29.7 20.8 31.2  
277 30.1 21.8 32.8

